

Amendments to Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method for controlling inhibiting excessive proliferation or migration of vascular smooth muscle cells ~~in-vitro~~ comprising treating said vascular smooth muscle cells with an effective amount of an antibody antagonist of a native ErbB4 receptor of SEQ ID NO.: 2.

2-9. (canceled)

10. (currently amended) The method of claim 9 1 wherein said vascular smooth muscle cells are human.

11. (currently amended) The method of claim 9 1 wherein said vascular smooth muscle cells are human aortic smooth muscle cells.

12-22. (canceled)

23. (previously presented) The method of claim 1 wherein said antibody is a neutralizing antibody against a native ErbB4 receptor of SEQ ID NO.: 2.

24. (original) The method of claim 23 wherein said antibody is a chimeric, humanized or human antibody.

25. (original) The method of claim 23 wherein said antibody is glycosylated.

26. (currently amended) The A method of claim 23 for inhibiting proliferation or migration of vascular smooth muscle cells comprising treating said vascular smooth muscle cells with an effective amount of an antibody antagonist of a native ErbB4 receptor of SEQ ID NO.: 2 wherein said antibody binds essentially the same epitope as an antibody produced by a hybridoma selected from the group consisting of HER4.10H1.1A1 (ATCC Accession Number PTA-2828), HER4.1C6.A11 (ATCC Accession Number PTA-2829), HER4.3B9.2C9 (ATCC Accession Number PTA-2826),

HER4.1A6.5B3 (ATCC Accession Number PTA-2827) and HER4.8B1.2H2 (ATCC Accession Number PTA-2825).

27. (currently amended) The A method of claim 23 for inhibiting proliferation or migration of vascular smooth muscle cells comprising treating said vascular smooth muscle cells with an effective amount of an antibody antagonist of a native ErbB4 receptor of SEQ ID NO.: 2 wherein said antibody has complementarity determining region (CDR) residues from an antibody produced by a hybridoma selected from the group consisting of HER4.10H1.1A1 (ATCC Accession Number PTA-2828), HER4.1C6.A11 (ATCC Accession Number PTA-2829), HER4.3B9.2C9 (ATCC Accession Number PTA-2826), HER4.1A6.5B3 (ATCC Accession Number PTA-2827) and HER4.8B1.2H2 (ATCC Accession Number PTA-2825).

28-84. (canceled)

85. (New) The method of claim 27 wherein said vascular smooth muscle cells are human.

86. (New) The method of claim 85 wherein said vascular smooth muscle cells are human aortic smooth muscle cells.

87. (New) The method of claim 27 wherein said antibody is a neutralizing antibody against a native ErbB4 receptor of SEQ ID NO.: 2.

88. (New) The method of claim 87 wherein said antibody is a chimeric, humanized or human antibody.

89. (New) The method of claim 87 wherein said antibody is glycosylated.